

# BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

**VOL. 92 NOS. 1,2**

**CONTENTS**

**15 AUGUST 2001**

*Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences. Full text available in ScienceDirect® and Neuroscion*

*Guide for Authors* v

*Themes and Topics* ix

## *Announcements*

Floyd E. Bloom appointed as Co-Editor-in-Chief of *Brain Research* xi

Brain Research Interactive Young Investigator Awards xii

Brain Research Interactive Young Investigator Awards–October 2000 xiii

Call for papers–Gene Expression Patterns xiv

## *Interactive reports* (Also accessible on the World Wide Web at <http://www.bres-interactive.com>)

- Proteomic analysis of proteins in PC12 cells before and after treatment with nerve growth factor: increased levels of a 43-kDa chromogranin B-derived fragment during neuronal differentiation  
C.-M. Huang, H.-A. Shui, Y.-T. Wu, P.-W. Chu, K.-G. Lin, L.-S. Kao, S.-T. Chen (Taiwan) 181
- Sox8* gene expression identifies immature glial cells in developing cerebellum and cerebellar tumours  
Y.-C. Cheng, C.-J. Lee, R.M. Badge, A.T. Orme, P.J. Scotting (UK) 193

## *Research reports*

- Differential expression patterns of three glutamate transporters (GLAST, GLT1 and EAAC1) in the rat main olfactory bulb  
M. Utsumi, K. Ohno, H. Onchi, K. Sato, M. Tohyama (Japan) 1
- Suppression of  $Ca^{2+}$  influx through L-type voltage-dependent calcium channels by hydroxyl radical in mouse cerebral cortical neurons  
K. Shirogami, M. Katsura, A. Higo, M. Takesue, Y. Mohri, K. Shuto, C. Tarumi, S. Ohkuma (Japan) 12
- Analysis of human *Per4*  
A.L. Gotter, S.M. Reppert (USA) 19
- Neuronal expression of mint1 and mint2, novel multimodular proteins, in adult murine brain  
Y. Nakajima, M. Okamoto, H. Nishimura, K. Obata, H. Kitano, M. Sugita, T. Matsuyama (Japan) 27
- Central and peripheral dysregulation of melanin-concentrating hormone in obese Zucker rats  
A. Stricker-Krongrad, T. Dimitrov, B. Beck (USA, France) 43
- A null mutation in guanylate cyclase-1 alters the temporal dynamics and light entrainment properties of the iodopsin rhythm in cone photoreceptor cells  
P. Larkin, S.L. Semple-Rowland (USA) 49
- Expression of  $\alpha$ -synuclein in the human brain: relation to Lewy body disease  
K. Wirdefeldt, N. Bogdanovic, L. Westerberg, H. Payami, M. Schalling, G. Murdoch (Sweden, USA) 58
- Serotonin 2A receptor regulation of striatal neuropeptide gene expression is selective for tachykinin, but not enkephalin neurons following dopamine depletion  
G.J. Basura, P.D. Walker (USA) 66
- Altered emotional behavior in PACAP-type-I-receptor-deficient mice  
C. Otto, M. Martin, D. Paul Wolfer, H.-P. Lipp, R. Maldonado, G. Schütz (Germany, Spain, Switzerland) 78
- Functional characterization of the human Huntington's disease gene promoter  
C. Holzmann, T. Schmidt, G. Thiel, J.T. Eppelen, O. Riess (Germany) 85
- The cyclic AMP response element in the Bcl-2 promoter confers inducibility by hypoxia in neuronal cells  
K. Freeland, L.M. Boxer, D.S. Latchman (UK, USA) 98
- Sequential changes in AMPA and NMDA protein levels during  $Fe^{3+}$ -induced epileptogenesis  
T. Doi, Y. Ueda, J. Tokumaru, Y. Mitsuyama, L.J. Willmore (Japan, USA) 107
- Persistent corticotropin-releasing factor<sub>1</sub> receptor desensitization and downregulation in the human neuroblastoma cell line IMR-32  
P.H. Roseboom, C.M. Urben, N.H. Kalin (USA) 115

(Contents continued inside)

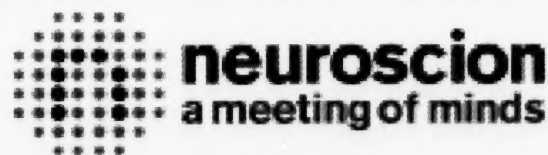


0169-328X(20010815)92:1/2;1-K

---

*(contents continued)*

Effects of experimental diabetes on axonal and Schwann cell changes in sciatic nerve isografts	128
L. Eckersley, A.D. Anselin, D.R. Tomlinson (UK, Australia)	
Increase in expression of the GABA <sub>A</sub> receptor $\alpha_4$ subunit gene induced by withdrawal of, but not by long-term treatment with, benzodiazepine full or partial agonists	138
P. Follesa, E. Cagetti, L. Mancuso, F. Biggio, A. Manca, E. Maciocco, F. Massa, M. Speranza Desole, M. Carta, F. Busonero, E. Sanna, G. Biggio (Italy)	
Ribozyme-mediated reduction of the GABA <sub>A</sub> receptor $\alpha 1$ subunit	149
J.R. Subramaniam, L. Corsi, S. Vicini, P.J. Whiting, J.H. Neale (USA, UK)	
Transient changes of brain-derived neurotrophic factor (BDNF) mRNA expression in hippocampus during moderate ischemia induced by chronic bilateral common carotid artery occlusions in the rat	157
R. Schmidt-Kastner, J. Truettner, B. Lin, W. Zhao, I. Saul, R. Busto, M.D. Ginsberg (USA)	
<i>Short communications</i>	
Differential usage of multiple brain-derived neurotrophic factor promoter in rat dorsal root ganglia following peripheral nerve injuries and inflammation	167
D.-S. Kim, S.-J. Lee, H.-J. Cho (South Korea)	
Retinoic acid receptors are expressed in human primary astrocytes and their agonists inhibit parathyroid hormone-related peptide expression and secretion	172
N. Chattopadhyay, E.M. Brown (USA)	
Identification of purinergic receptors in retinal ganglion cells	177
T.H. Wheeler-Schilling, K. Marquardt, K. Kohler, E. Guenther, R. Jabs (Germany)	
<i>Author index</i>	201



To view articles from this journal, visit Neuroscion,  
the comprehensive neuroscience information service on the web.

Register today at **[www.neuroscion.com](http://www.neuroscion.com)**